

# FOLIO

## Economic Council of Canada Sets Up Shop on University Campus

What does the future hold for western Canadian provinces? What happens as their resources "wind down?" Is the eastern view of the west's economic situation an accurate one? These questions and many more will be examined in a major study of the economies of the western provinces begun recently by the Economic Council of Canada (ECC).

In order to maintain close liaison with the west, the Council has established an office at The University of Alberta. Running the Alberta-based office is Michael Percy, Associate Professor of Economics, who will be on leave from the University to devote himself full-time to the ECC until the project is completed.

The Economic Council of Canada is a federally-funded research institute which has as one of its primary goals the analysis of regional disparity in Canada. Current plans for the western study call for research in ten areas: transportation, the effects on incomes of changing energy prices, forestry, agriculture, mining, export marketing, migration to the west, service sector developments, interactions of western energy developments with the rest of the Canadian economy, and the meaning of balanced regional development as far as the west is concerned. Notable by its absence is a look at Alberta energy resources. Considered a high priority, that area is the subject of a special project review by ECC and therefore not a major part of this ECC study.

The study, initiated by the

ECC itself, will call for extensive consultation with both provincial governments and the private sector. "It will be important to find out about the concerns of all those involved," says Mr. Percy. "The more input we get, the better our chances of answering some of the questions facing us."

A key question is whether or not a long-term, sustainable growth is a realizable objective for the west. "Historically, the west in particular has gone through cycles of boom or bust," explains Mr. Percy. "We're hoping to discover just how dependent the west is on its resources. Can the west continue to grow and diversify its economy in spite of resources, or only because of them?"

Mr. Percy cites the B.C. forestry industry as an example. A question the ECC group will deal with is what might happen when the forestry sector reaches what is termed a sustained yield. Up to now there has been a steady expansion of the B.C. industry. But what happens to the economic development of the province when the forestry industry plateaus or, to take it a step further, begins to drop off? "At this point, we really don't know," says Mr. Percy. "And that's why our research effort is so important. We are looking for implications to the economics of the various regions, given possible changes in the resources of the region."

While Mr. Percy oversees the western office for the ECC, the headquarters of the project is in Ottawa. The Director is Neil Swan, the man who originally developed the research project.

He leads a team of nine economists (all but Mr. Percy are Ottawa-based), each of whom is responsible for one of the research areas.

Why was The University of Alberta chosen for the western base? "A number of reasons," says Mr. Percy. "Our Department of Economics has a good reputation right across the country. There are a number of people here who have done important work in public policy analysis. And we have top resource people in a number of related disciplines; rural economy, agriculture and forestry, and business, for example."

Another reason for selecting this University is Mr. Percy himself. A graduate of the University of Victoria (BA 1972) and Queen's University (MA 1973; PhD 1976), he taught at the University of British Columbia

for three years before coming to The University of Alberta in 1979. He has worked with the ECC before and, as joint author (with his colleague Ken Norrie) of a major study on westward shift, brings to the ECC project a solid background of information on issues pertinent to the present study.

The hope of the Council is that the project will be completed by the end of 1983. A number of technical studies will be prepared and a final "consensus" document will be geared to a wide audience. The mandate of the Council is to make informed recommendations. How much do people listen? "That's up to the groups involved," says Mr. Percy. "Our role is to inform and recommend. People must then make their own choices. Hopefully, our study will help them make those choices from knowledge." □

## New Centres Operational

The University of Alberta has two new centres — the Centre for Gerontology and the Centre for Continuing Education.

The Centre for Gerontology, sponsored by the Faculty of Arts and the Faculty of Medicine, will seek to enhance the understanding of the aged individual and of the aging process by means of the support, encouragement, and facilitation of research in gerontology. The centre will also promote expansion and assistance in the coordination of educational opportunities throughout the constituent Faculties of the

University and encourage further development of gerontological services for the elderly population of the University, the province, and the country.

The Centre, housed within the Faculty of Arts, is guided by a board made up of David Skelton and Stanley Greenhill, both of the Division of Geriatric Medicine; Tom Nelson, Department of Psychology; Norah Keating, Faculty of Home Economics; Sharon Brintnell, Department of Occupational Therapy; Hayden Roberts, Faculty of Extension; Terry White, Dean of Arts; Sharon

Abu-Laban, Department of Sociology; and Thelma Scambler from the wider community.

In proposing the Centre to the Planning and Priorities Committee on behalf of the President's Committee on Gerontology, Dr. Skelton emphasized that, although the original financial "seeding" required would be provided by the President's Committee on Gerontology, "the Centre must rapidly become economically self-supporting through revenues generated by external research operational grants and supportive funding obtained from sponsoring agencies."

The Centre for Continuing Education (officially le Centre de l'Education Permanente), will be located at Faculte Saint-Jean. Sponsored by the Faculte, it requires no additional funds or space.

Special Sessions and the Faculty of Extension are buttresses of the Centre which has as its primary objective the establishment of links with various francophone organizations, primarily in northern Alberta. Under the direction of Lucie Douville, the Centre will build an outreach program based on the education

needs of French-speaking people in outlying communities.

The establishment of the Centre is the result of a report prepared for the Faculte on the need for expansion of courses in French throughout Alberta. The recommendations of that report make clear the desire for a broader base for courses, both credit and non-credit, available to francophones throughout the west. "Ours is the only French faculty west of Winnipeg," says M. Douville, "and as such, our outreach program may well extend a long way."

At this point, priority will be given to offering credit courses; by next year, the scope of the Centre will have expanded considerably. "We are a liaison point," explains M. Douville. "We will rely on both Special Sessions and Extension for advice and cooperation."

Many of the courses to be offered by the Centre will be evening and summer courses and, initially, most will be based at the Faculte. □

## FOLIO

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## This Week's Quote

*"It has been estimated that Canada has almost the worst record of support for research and development of any nation in the western world. In 1979, it spent 0.92 percent of its C\$260 billion gross national product on research, about half the proportion spent by such countries as France and Switzerland. Recent federal government initiatives may alleviate this situation."*

Source: D.D. Campbell (Extension) in his introduction to "The Universities of Canada" in *Commonwealth Universities Yearbook 1982*. Ed. A. Christodoulo and T. Craig. Association of Commonwealth Universities: Edinburgh, 1982, p. 848. □

## Universiade Update

With the World University Games less than a year away, a number of major Games' facilities are in varying stages of completion. The following construction update was submitted for publication in *Folio* by R.B.J. Macnab, Vice-President (University) of Universiade '83.

### University of Alberta Tennis Centre

Construction is underway for the new University of Alberta Tennis Centre, located south of 51st Avenue adjacent to Michener Park residences. A total of nine courts will be developed for use as the site of tennis competition for the 1983 World University Games. One of the nine courts will be developed as the centre court, with temporary seating for approximately 2,000 people.

The surfacing of the nine courts is a Tech-Tone (Cushion Kote II) system. It features an asphalt base upon which a synthetic cushioning material is applied, followed by a series of surface coats. This acrylic-type surface is of the same high quality as that featured at Flushing Meadows in New York, the York Tennis Centre in Toronto, and other outstanding facilities throughout North America.

The decision to locate the Tennis Centre at Michener Park has made possible the development of a facility which will be widely used after the Games. Included in the development is a small change facility in which lockers and a small classroom are included. Potential post-Games uses include: (1) classroom instruction; (2) special workshops, tennis camps, etc.; (3) faculty and student recreational use; (4) the development of a tennis club with outside community participation; (5) possible Michener Park residents' use of the classroom for meetings and events; and (6) occasional tournament use.

Scheduled for completion in the spring of 1983, the Tennis Centre will provide the University

and the community-at-large with a sports centre which meets instructional and recreational objectives. As a tournament facility, the Tennis Centre will advance the development of tennis in western Canada.

### University of Alberta Fieldhouse

The University of Alberta Fieldhouse, to be used for the basketball competition during the World University Games, is approximately 60 percent complete and on schedule. The facility, seating 10,000 during the Games and 5,200 after the Games, is scheduled for completion at the end of March 1983. The General Contractor is Ellis-Don Ltd., and the Consultants are the firm of Ragan Bell McManus Consultants Ltd.



With construction costs of approximately \$18 million, the facility will feature a portable maple hardwood basketball floor of the type used in many major facilities in the United States. Temporary seating will be installed for the Games to accommodate the large ticket demands for basketball. Also featured is an administrative component of the building with viewing of the main activity area.

From a post-Games standpoint, the building is multi-purpose in nature, allowing for competition in athletics, tennis, volleyball, badminton, soccer, field hockey, and European handball, as well as many other general activities. The inclusion of a series of removable nylon nets to divide playing areas enhances the multi-purpose aspect of the building. □

## 'Hollywood' Comes to Campus

On 9 December 1978 at Haskell Junior College, Kansas, a very special ceremony was held. Billy Mills, outstanding Oglala Sioux athlete, was inducted into the American Indians Hall of Fame.

Billy Mills is the first native American to win an Olympic Gold Medal for performance on the track. His accomplishment, setting a new Olympic record in the 10,000 metre race at the XVIII Olympiad in Tokyo (Wednesday, 14 October 1964), was the culmination of a dream and the result of a strict regimen of training that began in high school and was continued during studies at the University of Kansas.

What, you may ask, has this to do with The University of Alberta? Simply this: from now until sometime in mid-September, our University — or at least parts of it — will become the University of Kansas. It is in Alberta that a major motion picture, "Running Brave: The Story of Billy Mills", is being filmed by Englander Productions, Inc. of Culver City, California (Don Shebib, director). The reason for filming an American topic in the province of Alberta is that sponsorship for the picture has been undertaken by the Ermineskin Band of Hobbema.

Approval for shooting parts of the film on campus has already been given to the production company by the University's senior administration in consultation with our solicitors. The early part of September (from the 4th to approximately the 12th) should, therefore, be a particularly exciting time, and not merely because of registration and the return to campus of large numbers of students. Although an absolutely firm schedule has yet to be established, a film crew replete with actors — Robby Benson is playing the part of Billy Mills — camera men, props people, designers, lighting people, *et al.*, hopes to begin work on campus over the Labour Day weekend.

As it appears at the moment,

the film's producers are especially interested in using several of our older buildings to create the University of Kansas illusion (Billy Mills studied at Kansas during the years 1957-62). Thus, Corbett Hall, Pembina Hall, Convocation Hall, and the front of the Dentistry/Pharmacy Building have been found to be particularly attractive. Of course, some adjustments will have to be made. Dentistry/Pharmacy, therefore, will receive a fake clock for a day or two, U.S. post boxes will spring up here and there, and people with long jackets, shiny hair and wide plastic belts will suddenly appear among us. There will even be a carefully scheduled rain shower.

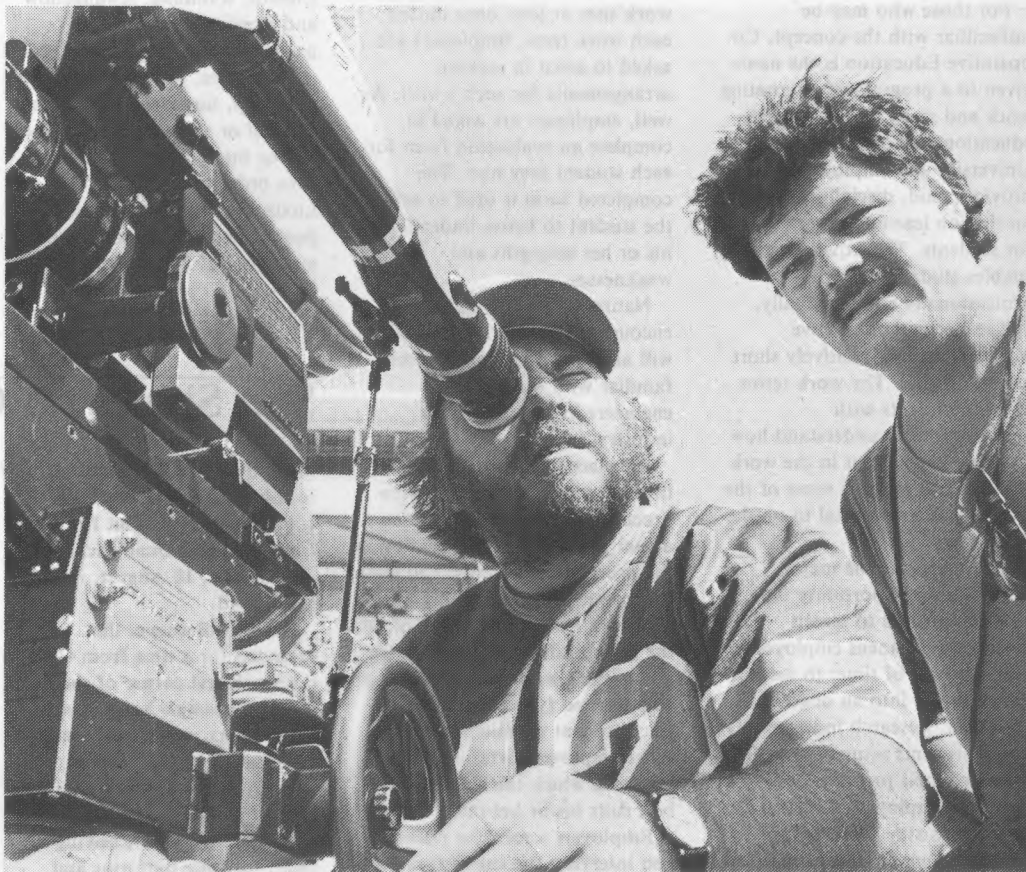
Since all of this demands some coordination, the Office of Community Relations has been detailed to act as the University's

primary contact between the film's producers and campus departments. The producers, under the careful eye of Brian Ross (Location Manager), are very eager not to cause any great disruption of normal University activities and are especially conscious of the fact that much of the filming here will take place during registration week. Locations, therefore, have been selected that are not normally occupied by any group of students or staff during this period. Also, where there might be an impact on our regular activities, the producers are planning to roll their cameras after hours or on weekends.

To reassure *Folio* readers further, Campus Security and Physical Plant personnel will be assigned to accompany the film crew on its rounds and careful

arrangements for parking such vehicles as generators and camera trucks are being made. For all the arrangements, however, one thing is certain — the film crew will be highly visible, as will be our University once the film is put on general release.

(For people interested in athletic statistics: Billy Mills won the 10,000 metre race in 28:24.4 which can be compared with Vladimir Kuts's; 28:45.6 (Melbourne 1956), Emil Zatopek's 29:17.0 (Helsinki 1952), and the "Flying Finn" Paavo Nurmi's 29:17.0 (Amsterdam 1928). Also for the record, Louis Twahima, a Hopi Indian, won a silver medal in the same event in the 1912 Olympics in Stockholm with a time of 32:06.6.) □



Don Shebib (left) director of "Running Brave: The Story of Billy Mills," and Francois Protat, director of photography, line up a shot.

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## Engineering Placement Office: One Year Later

To the staff of the Engineering Placement Office it hardly seems like a year since a stalwart group of thirty-one mechanical engineering students began the first work terms of the Faculty of Engineering's new Co-operative Education Program. Scattered from Uranium City, Saskatchewan, to Fort St. John, B.C., that group has gone on to become the leading edge of what is proving to be a popular new program among engineering students at The University of Alberta and employers of engineers throughout western Canada.

This year the number of students involved has jumped to ninety-one. Despite the turnaround in the economy, nearly all are placed in engineering-related work settings. A further 150 plus students will join the program in the 1982-83 academic term.

For those who may be unfamiliar with the concept, Co-operative Education is the name given to a program of alternating work and study. It is a shared, educational effort between the University and employers which provides paid, discipline-related, on-the-job learning experiences for students. The experience enables students to grow professionally and personally, and to become productive workers within a relatively short period of time. The work terms provide students with opportunities to understand how tasks are carried out in the work place and to practice some of the social skills so essential to on-the-job success.

For employers the major benefit is the opportunity the program affords to screen potential permanent employees over a period of time; to see how a student fits into an ongoing operation. Research indicates that Co-op students return most often to one of their previous co-operative employers, and that Co-op students stay with their first permanent employment longer. All of this means lower recruiting and training costs.

The University of Alberta program is an optional program for students who have completed the first two years of the Engineering Degree. A student who chooses the Co-op Program is expected to gain twenty months of successful industrial experience prior to graduation. The experience is gained in three work terms, one of four months and two of eight months. The work experience is, for the Co-op student, an additional degree requirement.

In all, it will take Co-op students five years to obtain the degree of BSc Engineering. This compares with four years for students in the regular program.

Employers accept the same responsibilities towards Co-op students as they do towards any other employee with only two exceptions. All students are visited by the Co-op staff on their work sites at least once during each work term. Employers are asked to assist in making arrangements for such a visit. As well, employers are asked to complete an evaluation form for each student they hire. The completed form is used to assist the student to better understand his or her strengths and weaknesses.

Naturally, employers are encouraged to provide jobs which will allow a student to become familiar with the work of engineers in the employer's industry.

All placements are made through a competitive interview process designed to simulate an actual job search. Participation in the process helps students to learn the ins and outs of landing a job.

Students are made aware of all the Co-op positions available for a particular work term through a help wanted type publication. Each student submits resumes to those employers offering positions which the student feels best suits his or her interests.

Employers screen the resumes and interview the students of their choice. Final decisions as to hiring are the sole prerogative of

the employer.

The Engineering Placement Office has just begun the task of job development for the next work term which will commence in January 1983. Interviews are scheduled for 12 to 15 October. Fifty-four mechanical and electrical engineering students are seeking employment. All have completed at least one previous

work term and two and one-half years of academic training. Descriptions of any available positions should be submitted to the Engineering Placement Office no later than 31 August.\*□

\*The preceding article was written by Fran Trehearne, Associate Director of The University of Alberta Engineering Placement Office. It first appeared in *The Pegg*, Volume 10, No. 7, August 1982.

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## Planning Underway for Educational Trip to China

Luxingshe (China International Travel Service) is offering a non-profit 16 day study tour of China from 24 July to 8 August, 1983.

The trip, which will include stops in Peking, Shanghai, Sian, Chentu, Kunming, Kwangchow and Kowloon, will enable participants to visit schools, rural communities, historical spots, museums, hospitals, prisons and cultural or sporting events. There will be interpreters.

In order to set up the tour, Luxingshe requires at least 10 people, and can accommodate a maximum of 24 people. The

estimated total cost per person is \$3,441 including an overnight stay in a Kowloon hotel on the return journey. A deposit of \$35 is payable on application, but will be refunded just after Labour Day in the event that there are too few applicants to make up the tour.

Anyone interested in the tour is asked to contact Arthur K. Davis, Department of Sociology, at 432-4524 or 462-2297, by Friday, 3 September, in order that Professor Davis may meet the deadlines imposed by Luxingshe Travel Service.□

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## Sun Shines on Quad Picnic

More than one thousand members of the University community turned out for the fourth Annual Quad Picnic held on Tuesday, 10 August, in the main quad.

A cheerful queue, that extended for a time from CAB to the southwest corner of the quad, waited to sample barbequed hamburgers, salad, and dessert. Beverages were also served.

As in the past, the event was catered by the staff of Housing and Food Services. Looking smart in white uniforms and boaters, they kept smiling even to the end of the long line-up.

Music was provided by the Three Speed Quartet, and, in the warm sunshine, groups of students, staff and families relaxed on the lawn, enjoying a pleasant break in their routine.

A popular tradition in the early '60s, the annual picnic was revived in 1979 by Gail Brown, newly appointed Director of Housing and Food Services. Since that time it has become a regular feature of the summer schedule. This year's record crowd is convincing evidence of the enthusiasm which the occasion generates.□



## University Library's Polish Collection Enhanced

It is no coincidence that the University Library has been featured in the pages of *Folio* with increasing regularity during the past few months, no coincidence that the name Bruce Peel has appeared more often than in the past. For on 31 August Bruce Peel, University Librarian since 1955, will retire, and with his retirement comes the end of an era for the Library, and the University.

As *Folio* goes to print, the official farewell celebrations for Mr. Peel are yet to come. But on Monday, 9 August he was honored at a special presentation of Polish material by Colonel Tadeusz Walkowski.

Colonel Walkowski's association with the University Library goes back a quarter of a century to a hot summer day in the late '50s when he appeared at Mr. Peel's door to talk about Polish books in the Library. A two-day search of the stacks resulted in the locating of only two books on Poland.

That was the beginning. Since that time, the Colonel has spent countless hours searching out Polish material which would, as he puts it, "fill the cultural void at this University, and aid in the pursuit of understanding and brotherhood among various ethnic communities." Since that time, the number of Polish books in the University Library has increased to more than 9,000. According to B. Bochinski, who attended the presentation as a representative of the Canadian Polish Congress, "there is no doubt that it is the tireless effort of Colonel Walkowski over the years that has led to such a fine collection of Polish material in the University Library."

The presentation of materials was the ninth made by the Colonel in his capacity as Cultural Coordinator for the Canadian Polish Congress, and it came on the eve of his retirement at the young age of eighty-four.

Colonel Walkowski's gift to the University, his personal collection of Polish books, brought praise

and thanks from Mr. Peel. "Nothing makes a librarian happier than adding books to a library," he said. "I have enjoyed my association with the Colonel and I am happy to receive this material from him."

Peter Savaryn, University Chancellor, added his thanks as he officially accepted the collection on behalf of the University. He pointed out that the gift was really a double one, as it will qualify for a gift-in-kind through the matching grants program of the provincial government.

The evening was one of tribute to Colonel Walkowski; it was also one of tribute to Mr. Peel. The presentation by Colonel Walkowski was, itself, dedicated to Mr. Peel. "Mr. Peel and I have shared a close association for a quarter of a century and I am deeply honored to have known him and to have worked closely with him on behalf of the Canadian Polish Congress in Alberta, as well as through our mutual interest in books about Polish history and culture," said Colonel Walkowski. As a token of his thanks and respect, he

presented Mr. Peel with a specially engraved medallion featuring the first Polish Pope, His Holiness John Paul II.

Dr. Bochinski also paid tribute to Mr. Peel, calling him the "quiet collaborator" in the acquisition of the Polish book collection. "The Polish Community will remember you, with thanks," he said.

The feeling is mutual, for the University Library will most certainly remember Colonel Walkowski, and with thanks. □

## Professorship of Nuclear Engineering and Energy Strategy

A visiting professorship in Nuclear Engineering and Energy Strategy will be established at The University of Alberta beginning in the fall of 1982. It will coordinate existing strategy studies and will develop new programs in teaching and research related to nuclear energy. The professorship will be filled, usually for one-year periods, by distinguished engineers from industry, government agencies, or other universities who have had extensive experience in the appropriate areas.

The holder of the professorship will be expected to provide advice to groups outside the University as well as maintaining a teaching and research program related to the energy area. President Horowitz has expressed delight with the arrangement. "It is indeed gratifying that The University of Alberta will be involved in long-range planning and research related to this important area. We hope that this appointment will provide the catalyst for other forms of interaction between the University and industry and government."

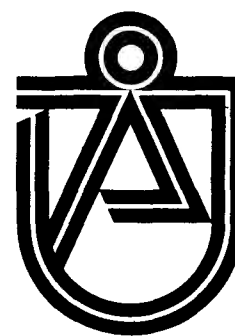
The first visiting professor will be S.Y. Ahmad; Head of the Advance Engineering branch at

the Chalk River Nuclear Laboratories of Atomic Energy of Canada Research Company. With degrees in mechanical and thermo-fluid sciences from the University of Glasgow, Dr. Ahmad taught at Paisley College of Technology, and the University of Glasgow in Scotland before joining the SPAR (Special Products and Applied Research) Division of deHavilland Aircraft in Toronto in 1965. He joined the permanent staff at the Chalk River Nuclear Laboratories in 1967, and today is acknowledged internationally as an expert in the mechanics of heat transfer.

Dr. Ahmad taught off-campus Master's degree courses on behalf of the University of Ottawa while at Chalk River. He also has been PhD external examiner from the University of Waterloo, the University of Ottawa, and the University of Toronto. His work at Chalk River includes administration of R&D contracts in fundamental engineering studies in thermo-fluid science and heat transfer with the University of Calgary, Lakehead University, the Technical University of Nova Scotia, Ecole Polytechnique, Carleton University, and McGill

University.

Dr. Ahmad's presence is expected to result in an enriched program for Engineering and Science students who wish to develop an understanding of the role of various sources in Canada's energy strategy. Dr. Ahmad will be located in the Department of Electrical Engineering. Additional information may be obtained from P.F. Adams, Dean, Faculty of Engineering. □



**Program  
Information  
432-2325**

## Folio accepts display advertising

*Size and rates:* the basic unit size is 21 agate lines x 11 picas (1½" x 1⅞"). The full page is divided into 22 such units, any combination of which is available at a cost of \$15 per unit. Half page costs \$165. One column costs \$82.50. A professional/business card unit is available at a cost of \$30. Discounts are offered for extended runs, please enquire.

*Other specifications:* half-tones (100-line screen or less) are acceptable; no colour or bleeds. Camera-ready copy is necessary. There is a charge of 30c per word for typesetting, and \$7.50 for adjustment of design work. Deadline for submission is one week prior to publication (Thursday, 3 p.m.). Acceptance of advertisements and positioning are at the discretion of the editor.

These rates are effective from 1 January 1981. For more information please telephone 432-2325 and ask about Folio display advertising or write to:

**Folio Display Advertising**  
Office of Community Relations  
423 Athabasca Hall  
The University of Alberta  
Edmonton, Alberta  
T6G 2E8

## Programs to Train Rehabilitation Counsellors Sought

Graduate programs to train rehabilitation counsellors should be launched in at least three Canadian universities, urges a report released recently by the Canadian Life and Health Insurance Association and the Insurance Bureau of Canada.

Funded by a \$34,000 grant, the study examined training for rehabilitation counsellors in Canada. The research, conducted in 1981, International Year of the Disabled, reflects the insurance industry's growing concern with assisting people to return to the work force.

"The information gathered revealed a diffuse, fragmented, poorly defined field, with no general consensus concerning the definition of the job, the competencies that could be expected, or the desired qualifications," concluded the report's author, Margaret Lewis of the Department of Rehabilitation Medicine at Queen's University.

Based on interviews, questionnaires and literature on various courses, the study showed that the lack of Canadian programs has led to differing education standards, ranging from grade 12 with experience, to a Master's degree in social work or education. Many who entered rehabilitation work through nursing, occupational therapy, and other related fields have been able to upgrade their skills only through graduate programs at American universities, evening courses offered by universities or community colleges in some provinces, and highly variable in-service training programs, the report points out.

Dissatisfaction with rehabilitation counsellors was expressed by the majority of employers, who include insurance companies, provincial compensation boards, and social service agencies. They blamed most problems on lack of training in job placement, vocational counselling and disabilities as well

as under-utilization of resources.

Poor education backup has led to over-specialization, Mrs. Lewis found, because relatively unskilled personnel must be trained in limited areas. This means a client might start with an intake worker and move to an assessment counsellor, life skills instructor, work adjustment teacher, career counsellor and placement specialist.

This fragmentation could explain why neither employers nor counsellors have a clear idea of what can be expected from rehabilitation counsellors. Even counsellors were divided on what their professional function is supposed to be and did not feel their training had prepared them well, the report states.

The need for better training is also underscored by the high rate of unemployment, at least fifty percent, among the disabled who are considered employable, the report noted.

Employers displayed keen interest in hiring graduates of a rehabilitation counsellor course. In fact, many prospective employers admitted they hired no counsellors because none were available.

As well as employment for

graduates, students would be easy to find, both prime concerns in times of high unemployment and declining university enrollment. Candidates include those already employed in the field; graduates of the only Canadian BA program, run jointly by Seneca College and York University; disabled people; graduates in psychology and sociology; and mature women with volunteer experience.

As in the United States, the program should be offered at the Master's level, but should include a greater variety of courses and emphasis on practical experience. Specialization would be allowed only once general skills have been acquired. Courses would be reviewed periodically to make sure they're fulfilling the needs of employers, counsellors and the disabled, the report suggests.

In addition to initiating programs as soon as possible at universities in Ontario, Quebec, and the west, the report recommends strengthening the professional association for rehabilitation counsellors and publishing a professional journal to share research and innovations. □

## Patience, Please! Pavers at Work

The University of Alberta will be undertaking paving and other site improvements to three parking areas on campus: U, N and Z Zones. The work on Z Zone will commence immediately, with U and N to follow.

The work will be undertaken in approximately four sequential stages, with paving work confined to one of the four stages at a time. The proposed work schedule is as follows:

Z Zone	Start: 10 August Finish: 30 August
N Zone	Start: 30 August Finish: 8 September
U Zone	Start: 8 September

Finish: 17  
September.

The University Parking Office will endeavor to relocate all permit holders to adjacent facilities during the reconstruction period, to minimize any inconvenience. □

*publications*

Green, L.C. (University  
Professor):

The Contemporary Law of  
Armed Conflict and the  
Protection of Human Rights  
in Gall, *Civil Liberties in  
Canada — Entering the 1980s*.  
1982, pp. 166-190.

## people

At the recent annual meetings of the Canadian Population Society, held as a part of the Learned Societies Meetings in Ottawa, May-June 1982, five papers were contributed by students and faculty of the Department of Sociology. The contributors include: P. Krishnan, N. Lalu, R. Chow, S. Islam, S. Loh, V. Cheung, R. Kapoor, and E. Ng.

J.M. Kirman (Elementary Education) was guest editor of the Spring, 1982 issue of *One World*, the official publication of the Alberta Teachers Association Social Studies Specialist Council. The issue dealt with the teaching of genocide and holocaust.

Joyce Boorman (Movement Education) was recently a member of the master faculty at a three week *Orff-Kodaly-Laban* workshop offered by Northern Arizona University Music Department. The workshop attracted sixty students from seventeen states and included students from both Japan and New Zealand.

## service information

All information to be included in this column must reach the Office of Community Relations by 9 a.m. the Thursday prior to publication.

### Coming Events Exhibitions

#### Ring House Gallery

Until 3 October "O! Osiris, Live Forever!" An exhibition on the scientific investigation of mummification. The exhibit is jointly organized by University Collections and Manchester University Museum, England.

#### Special Collections

Until 1 October: "Puijs, Paperbacks and Popular Fiction." A visual history of the mass marketing of literature from Dickens to Lawrence using pictorial covers, dust jackets, and other material from Special Collections.

### University Campus Tours

Until 3 September. Meet every Monday and Friday at 1:30 p.m. on the front lawn of Old St. Stephen's College, 8820-112 Street, opposite HUB Mall. For further information, phone 427-2020.

### Non-Credit Courses Devonian Botanic Garden Honey Extraction •

Date: 1 September. Fee: \$12. This is the follow-up class to the spring Beekeeping course but would appeal to anyone wanting more information on extracting and packaging their honey.

### Faculty of Extension

#### English as a Second Language

Date: Until 25 August. Fee: \$65. For further information, contact Ruth Pearce or Cecile Ochman at 432-2497 or 432-3036.

### Computing Services

#### Client Training Sessions

Computing Services is taking registrations between 8:30 a.m. and noon for the following non-credit courses. For further information, please telephone Information Services at 432-2463, or come to 352 General Services Building.

#### MTS Overview

Course number: 714. Date: 24, 26 August. Time: 10 a.m. to noon. Fee: \$10. Prerequisites: "MTS and Editor Fundamentals." Place: 749A/357 GSB or 749A/327 GSB.

#### MTS and Editor Fundamentals

Course number: 688. Date: 25, 27 August. Time: 11 a.m. - 1 p.m. Fee: \$10. Prerequisites: "Introduction to Computing" or equivalent working knowledge of a DECwriter terminal and MTS. Place: DECwriter Terminal Room, 351 GSB.

#### Introduction to Computing at the U of A

Course number: 670. Date: 23 August. Time: 11 a.m. - 1 p.m. Fee: \$5. Prerequisites: No previous computing experience, but familiarity with a keyboard is required. Place: DECwriter Terminal Room, 351 GSB.

## Notices

### Campus Reviews

As part of the process of carrying out systematic reviews under the guidance of the President's Advisory Committee on Campus Reviews (PACCR), the Department of University Collections is completing the self-study phase of the review process. The other major phase of the process is the site visit and assessment by the Unit Review Committee. In preparation for this second phase, PACCR invites written comment prior to 15 September 1982.

Submissions are for the use of the Unit Review Committee and will be held in confidence by the members of that committee. Submissions should be sent to: Mrs. L. Pearson, PACCR Office, W4-13 Chemistry Building, Attention: The University Collections Unit Review Committee.

### International Student Orientation

An orientation program for newly arrived international students will be held from 31 August to 2 September. For further information, contact the International Student Office, Room 225, Athabasca Hall, 432-4145.

### Mature Student Orientation

On 23 August and 30 August the Office of Student Affairs will be conducting an orientation program for students who will begin their studies after an extended absence from a school setting. Further information is available in Room 225, Athabasca Hall, 432-4145.

### Study and Writing Skills Workshops

An evening program to improve your academic skills will be conducted 8 and 9 September. Contact the Office of Student Affairs, Room 225, Athabasca Hall, 432-4145 for details.

### Barney Stephanson to Retire

Barney T. Stephanson, former Chairman of the Department of Agricultural Engineering, will be retiring this year after thirty-six years of service. The Department of Agricultural Engineering will be holding a farewell and thank-you party for Professor Stephanson and his wife Ida at the Faculty Club on Thursday, 26 August 1982 at 7:30 p.m. in the Saskatchewan Room. Dessert, coffee, tea, punch will be served. The cost per person is \$2.50. A gift will also be presented and any contribution you wish to make will be appreciated.

If you are able to join us in wishing Barney and Ida best wishes in their retirement, please phone the Department Office (432-4251) or the following at the same number, or at home: Professors Domier (434-6532), McQuitty (436-4317) or Rapp (435-1049).

Please respond by 23 August 1982.

### Volunteers Required

Volunteers with normal lung function, both smokers and non-smokers, are required to establish normal values for a simple test of lung function. Test requires about forty-five minutes at the University Hospital. No blood or X-rays required. Phone 432-6212.

## Surplus Equipment

The equipment appearing in this column is available only to University Departments with University Administered Funds. For further information about the purchase of equipment or the disposal of any of your department's surplus equipment, contact Bonnie O'Dwyer or Roy Bennett, telephone 432-3208.

- Hewlett Packard Model 120B single beam oscilloscopes. For further information, please contact Joe Kuziemy, 432-5878.
- 6 Record (discs) cabinets. For further information, please contact M.A. Davison, 432-4640.
- 2 — 16K x 8 DEC Memory Boards for PDP 11/34 Computer, DEC/N H-222A
- 4 DR11B DEC Interface Boards c/w back plane, DEC P/N 7008329. For further information, please contact E. Evason, 432-2986.

## Positions Vacant

The University is an equal opportunity employer but, in accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

### Faculty Service Officer II, Faculty of Pharmacy and Pharmaceutical Sciences

The Faculty of Pharmacy and Pharmaceutical Sciences requires a Faculty Service Officer II for SLOWPOKE Nuclear Reactor. The individual will undertake development and application of reactor technology, particularly neutron activation analysis.

Applicants should be experienced in analytical techniques with an emphasis on modern instrumentation and computer operation. Duties include reactor operation and service analysis for on and off-campus parties. PhD or equivalent experience required. Appointment as early as 15 November 1982, with a current salary range beginning at \$27,000 per annum. Applicants should forward transcripts, curriculum vitae, and names of three references to: Dr. L.I. Wiebe, Professor and Chairman, University of Alberta SLOWPOKE Committee, Faculty of Pharmacy and Pharmaceutical Sciences, The University of Alberta, Edmonton, Alberta T6G 2N8 prior to 31 October 1982.

### Assistant Professor, Department of Sociology

Applications are invited for a tenure-stream Assistant Professor position, effective 1 July 1983. All specialties will be considered. PhD and Canadian experience required. Minimum starting salary \$27,720 (subject to scale increase July 1983). Forward applications, including curriculum vitae and names of three references to: Dr. Robert Silverman, Chairman, Department of Sociology, The University of Alberta, Edmonton, Alberta, Canada T6G 2H4. Applications will be accepted until 1 September 1982, or when the position is filled.

### Non-Academic Positions

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. Please do not contact the department directly. As positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 13 August 1982.

- Library Clerk I (Part-time/Term) (\$589-\$704) — Health Sciences
- Audiovisual Education
- Clerk-Typist II (Part-time/Recruiting Term) (\$632-\$757) — Continuing Medical Education
- Clerk Typist II (\$1,106-\$1,324) — Sociology, Pension and Benefits Administration
- Senior Clerk (\$1,106-\$1,324) — Technical Services (Graphics Division), Parking Services
- Data Entry Operator I (\$1,185-\$1,426) — Bookstore

Library Clerk III (\$1,232-\$1,487)  
— Boreal Institute  
Clerk Typist III (\$1,232-\$1,487)  
— Physical Therapy, Psychology  
Clerk Steno III (Part-time) (\$616-\$744)  
— Faculty of Medicine  
Clerk Steno III (\$1,232-\$1,487) —  
Educational Research Services, Civil  
Engineering, East Asian Languages and  
Literature  
Dental Assistant II (Trust) (\$1,324-\$1,616)  
— Mobile Dental Clinic, Dentistry  
Secretary (\$1,373-\$1,682)  
— Mathematics, Business  
Administrative Clerk (\$1,373-\$1,682) —  
Sociology  
Library Assistant II (\$1,373-\$1,682) —  
Rural Economy  
Departmental Secretary (Term)  
(\$1,548-\$1,908) — Physical Education  
Departmental Secretary (\$1,548-\$1,908)  
— Native Affairs  
Nurse (Part-time) (\$914-\$1,132) —  
University Health Service  
Computer Assistant (\$1,106 - \$1,324) —  
Computing Services  
Laboratory Assistant I/II (Trust)  
(\$1,106-\$1,487) — Medicine  
Storeman I (\$1,230-\$1,471) —  
Printing Services  
Building Services Worker II  
(\$1,232-\$1,487) — Physical Plant (Building  
Services)  
Food Service Worker III  
(\$1,324-\$1,616) — Housing and Food  
Services  
Building Services Worker III  
(\$1,373-\$1,682) — Physical Plant (Building  
Services)  
Equipment Assistant II  
(\$1,373-\$1,682) — Physical Education and  
Recreation  
Technician I (\$1,426-\$1,754)  
— Entomology, Mechanical Engineering  
Animal Technician I (\$1,426-\$1,754)  
— Bioscience Animal Service  
Electronics Technician I/II (Trust)  
(\$1,487-\$2,078) — Animal Science  
Maintenance Worker I (\$1,487-\$1,829)  
— Physical Plant (Maintenance Division)  
Engineering Technologist I  
(Systems Analyst) (\$1,487-\$1,829) —  
Physical Plant (Energy Management)  
Storeman III (\$1,548-\$1,908)  
— Bookstore  
Audiovisual Technician II  
(\$1,616-\$1,992) — Language Lab  
Technician II/III (Trust)  
(\$1,616-\$2,265) — Dentistry  
Biochemistry Technologist I/II (Trust)  
(\$1,616-\$2,265) — Biochemistry,  
McEachern Laboratory  
Laboratory Technologist I  
(\$1,754-\$2,171) — Provincial Laboratory  
Biochemistry Technologist II (Trust)  
(\$1,829-\$2,265) — Pediatrics  
Engineering Technologist III  
(Telecommunications Analyst) (\$1,908-  
\$2,368) — Physical Plant  
(Telecommunications)  
Biology Technologist III  
(\$2,078-\$2,581) — Genetics  
Nurse Practitioner  
(\$2,368-\$2,951) — Pediatrics  
Programmer/Analyst III (Trust)  
(\$2,472-\$3,085) — Computing Science  
Instrument Mechanic (\$2,773) —  
Physical Plant (Maintenance Division)

Contracts Supervisor  
(\$2,581-\$3,229) — Physical Plant  
(Projects)  
Programmer/Analyst IV  
(\$2,951-\$3,697) — Physical Plant (Energy  
Management)

## Advertisements

*Advertisements must reach the Editor by 3 p.m. on the Thursday prior to publication date which date also serves as the deadline for cancellation of advertisements. The cost of placing advertisements is 30 cents per word with no discount for subsequent insertions. There are no refunds. There is a maximum limit of 30 words and a minimum charge of \$1.50. Contributors' corrections will be assessed at \$1.50 for each line in which an alteration is made. Advertisements cannot be accepted over the telephone.*

### Accommodations available

For sale — 1,400 sq. ft. University area home, large kitchen, three bedrooms, basement developed, double garage, large lot. Asking \$127,000 with \$87,000 mortgage at 15½%. 436-7425.  
For rent — 1 January — 28 Dec. 1983.  
Two bedroom bungalow in Pleasantview. 435-2027, 432-3530.  
Basement — 10762 Whyte Avenue. 1,770 sq. ft., subdivided. \$3/sq. ft. 482-4072.  
For sale — Belgravia. Three bedroom bungalow, renovated throughout, hardwood floors, custom kitchen and bath, finished basement, garage. 11527 72 Ave. Phone 437-7632.  
Sale by owner — Windsor Park. 8468 118 St. Large bungalow in quiet crescent, pie-shaped lot. Double garage, developed basement. \$156,000. 455-1188.  
For rent — Hi-rise condominium, 116th Street near Jasper Avenue. One bedroom, one den, 1,000 square feet, 6 appliances, drapes, redecorated, \$750 per month (includes utilities), negotiable. Evenings 434-1063 or 488-4122.  
Shared accommodation — Will share large, gracious home. 126 St., 109 Ave. One or two persons. Prefer visiting professor etc. Call Norm 454-5569 or 420-8879.  
For rent — Main floor (three bedrooms) 1 Sept. 469-3594.  
For rent — Three bedroom, unfurnished, semi-bungalow. Pleasantview. Large yard, double garage. \$800. 438-1708.  
For rent — Elegant, three bedroom, Millwoods duplex, double garage. \$750/month. 463-0612.  
For sale — Windsor Park bungalow. Quiet crescent location. Walk to University. Completely finished, garage. Assumable \$70,000 mortgage. Immediate possession. Asking \$149,500. Call Maxine Tipper res. 435-7103, Langley Realty 436-3050 (pager).  
For rent — Deluxe, basement bedroom/bathroom, furnished. Use of rumpus room. Share kitchen. \$300/month. 483-8687 evenings.  
For rent — Crummy, basement suite, near University. \$250/month, utilities included. 433-5637.  
For rent — Basement suite. One bedroom, large windows. Available 1 Sept., washing facilities. Quiet, non-smoking female only. University area. \$350. 434-3053.

For rent — Female, non-smoker has two bedroom suite to share with same, South Side. Available 1 Sept. Evenings 433-3752.  
House for rent — Excellent for University family. Three bedrooms, 1,350 sq. ft. Lovely, big back yard. Charming neighbourhood. \$750/month with \$750 damage deposit. 11146-73 Ave. Phone 434-8996.  
Furnished house — Belgravia. Available 1 Sept. Call 436-5561, 434-0111. \$700/month.  
For sale — Scona mansion. 3,000 sq. ft., solid brick, huge lot. Provincial grant available. \$50,000 down. Goetz 439-0035, 436-1134. Crescent Realty.  
For sale — Three bedroom. Single garage. Queen Alexandra. \$70,000. 433-8209 after 6 p.m.  
For sale — Bungalow one block from campus, two bedrooms plus den, living room, dining room; suite and two other rooms in basement, garage, fenced yard. \$120,000. 10951 90 Ave. 433-5172.  
For rent — Parkview. Immaculate, three bedroom bungalow. Two bathrooms, garage, appliances. \$650. Lease required. Damage deposit. References. 483-5691 between 5-8 p.m.  
For rent — Spacious, new retirement home. Country setting, overlooking Okanagan Lake, 24 miles on paved road from Vernon. Ideal for retired couple. Reasonable rent. Long term lease available. 432-4429, 436-3505.  
For rent — Three bedroom duplex. Shared accommodations. Male/female. \$750/month. \$750 damage deposit. 459-0580.  
For sale — Studio condo, priced for quick sale. Balcony and patio windows, five appliances. Convenient to University. 439-5746.  
For rent — One bedroom, well furnished, fully carpeted, balcony. \$380/month. 10839 University Avenue. Caretaker apartment 16. 433-0105, 488-9151.  
For sale — Two bedroom bungalow. Top condition. Strathearn, quiet location. Ten minutes to University. Close to all amenities. Mature landscaping. \$76,900. Don Berthelette 437-1430, 466-9345.  
For rent — Three bedroom bungalow, main floor, \$715/month plus utilities, near transportation and University. Gail 437-2302.

### Accommodations wanted

University staff member requires bachelor suite, short walk to University. 1 Oct. to 30 April, Call W.A. Gill, Dept. of Drama. 432-2271 x7 during office hours. Newer, three bedroom bungalow

required, first October by professional couple in South West Edmonton. 6-12 month lease. \$700 per month. Fireplace, family room, double garage mandatory. 487-4943, days 427-0743.

### Automobiles and others

For sale — Peugeot 504, 1975. 469-3594.  
VW Van, 1974, good condition, New clutch, \$1,500. 922-2878.  
1974 VW Super Beetle. Sunroof, radio. 1973 Mercury. Trailer towing package. Both in excellent condition. 479-3155.

### Goods for sale

Teak and glass coffee table; teak end table. Phone 488-4951.  
Antiques evaluated for insurance, family division, dispersal, moving, estate liquidation. For sale; sociology books, silverware, ivory and curios. Mary Goulden Antiques L.A.P.A.D.A. 10437-142 Street.  
Sheltie puppy, purebred male, \$75. 922-2878.

### Services

Donnic Word Processing. Specializing in theses, etc. 8315A-105 St. 432-1419.  
Singing teacher, Eileen Turner 439-4661.  
General Carpentry Work — Renovations. 434-9709 evenings.  
Piano, theory lessons. Western Board. Robert Garipey 433-7238.  
Sailing — Learn to cruise the Gulf Islands, Yacht Charters, exclusive C & C Yacht Dealers. Alberta Yachts, 426-4372.  
Windsor Park Playschool has vacancies for preschoolers. Information 425-9603, 433-8141.  
Design Drafting. Home and cottage designs and renovations done to your specifications. Experienced architectural graduate. Phone 482-6880.  
Daytime nanny required for 6-month old girl, weekdays. Belgravia 436-7272 after 5 p.m.  
Working, single mother seeks housemate(s) to aid in child-care/light housekeeping three days per week. Two bedroom apartment, separate entrance. Terms negotiable. Couple and/or child acceptable. Acreage, southeast. 922-2252. 1 Sept.  
Experienced piano teacher and ARCT student. Lessons starting Sept. Phone 484-7614 after 5 p.m.  
Typing — You write it, I'll type it. Reasonable rates. Sheila 459-4158.  
Typing — Theses, etc. Experienced. 455-0641.  
Piano tuition for all grades and all ages. University area. Mrs. R. Meilen L.R.A.M. 436-2587.

*Laine St. Originals*  
*original design*  
*and custom dressmaking*  
Elaine Street 437-4133